



# appendix d example questionnaire





March 2002

Dear Oregon Citizen,

We need your help! Oregon is embarking on an initiative to assist communities in reducing risk from natural hazards: the *Partners for Disaster Resistance: Oregon Showcase State Program*. In December 2000, Governor John Kitzhaber signed an Executive Order designating Oregon a "Showcase State for Natural Disaster Resistance And Resilience." *Partners for Disaster Resistance* is now providing citizens and organizations statewide with an opportunity to prepare for and minimize the impact of natural hazards.

This questionnaire is designed to help us understand household preparedness for disasters. We are developing a strategic plan to prioritize activities to assist Oregon communities reduce their risk from natural disasters. The information you provide about your needs for disaster preparedness will help improve coordination of preparedness and risk reduction activities within the state.

Your returned survey indicates your willingness to take part in the study. Your participation in this study is voluntary. If you have questions regarding your rights as a research participant, please contact the Office of Human Subjects Compliance, University of Oregon, 5219, Eugene, OR 97403, or call (541) 346-2510. *All individual survey responses are strictly confidential, and are for research purposes only.*

Your opinions are important to us. Please return your completed survey no later than **Monday, April 1<sup>st</sup>, 2002.**

If you have questions regarding the survey, feel free to contact the Oregon Natural Hazards Workgroup at (541) 346-3588.

Thank you for your participation!

Sincerely,

André LeDuc  
State Coordinator,  
Partners for Disaster Resistance:  
Oregon Showcase Program  
[www.OregonShowcase.org](http://www.OregonShowcase.org)

Suzanne Hildick  
Executive Director,  
American Red Cross,  
Oregon Trail Chapter  
[www.PrepareForLife.org](http://www.PrepareForLife.org)

Beverlee Venell  
Director,  
Oregon Emergency Management  
[www.osp.state.or.us/oem/](http://www.osp.state.or.us/oem/)

## Household Natural Hazards Preparedness Questionnaire

Thank you for taking the time to answer this questionnaire and participating in the *Partners for Disaster Resistance: Oregon Showcase State Program*. This questionnaire is designed to help Oregon gauge household preparedness for disasters and knowledge of tools and techniques that assist in reducing risk and loss from natural hazards. The information you provide about your needs for disaster preparedness will help improve public/private coordination of preparedness and risk reduction activities within the state. We ask that you please take a few minutes to complete this questionnaire.

### NATURAL HAZARD INFORMATION

1. In the past five years have you or someone in your household experienced a natural disaster such as an earthquake, severe windstorm, flood, wildfire, or other type of natural disaster?

☐ Yes

☐ No (*IF NO Skip to Question 2*)

- 1.1. If ("YES") which of these natural disasters have you or someone in your household experienced?

(*Please check all that apply*)

☐ Coastal erosion

☐ Drought

☐ Dust storm

☐ Earthquake

☐ Flood

☐ Landslide / debris flow

☐ Wildfire

☐ Household Fire

☐ Tsunami

☐ Volcanic eruption

☐ Windstorm

☐ Winter storm

☐ Other (specify) \_\_\_\_\_

2. How concerned are you personally about the following natural disasters effecting Oregon?

(*Circle the corresponding number for each hazard*)

Natural Disaster	Extremely Concerned	Very Concerned	Concerned	Somewhat Concerned	Not Concerned
Coastal Erosion	1	2	3	4	5
Drought	1	2	3	4	5
Dust Storm	1	2	3	4	5
Earthquake	1	2	3	4	5
Flood	1	2	3	4	5
Landslide / debris flow	1	2	3	4	5
Wildfire	1	2	3	4	5
Household Fire	1	2	3	4	5
Tsunami	1	2	3	4	5
Volcanic hazard	1	2	3	4	5
Wind storm	1	2	3	4	5
Winter storm	1	2	3	4	5
Other _____	1	2	3	4	5



3. Have you ever received information about how to make your family and home safer from natural disasters?
- ☐ Yes
- ☐ No (*IF NO Skip to Question 4*)
- 3.1. If "YES", how recently?
- ☐ Within the last 6 months
- ☐ Between 6 and 12 months
- ☐ Between 1 and 2 years
- ☐ Between 2 and 5 years
- ☐ 5 years or more
- 3.2. From whom did you **last** receive information about how to make your family and home safer from natural disasters? (*Please check only one*)
- ☐ News media
- ☐ Government agency
- ☐ Insurance agent or company
- ☐ Utility company
- ☐ American Red Cross
- ☐ Other non-profit organization
- ☐ Not sure
- ☐ Other \_\_\_\_\_
4. Who would you most trust to provide you with information about how to make your family and home safer from natural disasters? (*Please check all that apply*)
- ☐ News media
- ☐ Government agency
- ☐ Insurance agent or company
- ☐ Utility company
- ☐ University or research institution
- ☐ American Red Cross
- ☐ Other non-profit organization
- ☐ Not sure
- ☐ Other \_\_\_\_\_
5. What is the most effective way for you to receive information about how to make your family and home safer from natural disasters? (*Please check all that apply*)
- Newspapers:*
- ☐ Newspaper stories
- ☐ Newspaper ads
- Television:*
- ☐ Television news
- ☐ Television ads
- Radio:*
- ☐ Radio news
- ☐ Radio ads
- Other methods:*
- ☐ Schools
- ☐ Outdoor advertisements (billboards, etc.)
- ☐ Books
- ☐ Mail
- ☐ Fire Department/Rescue
- ☐ Internet
- ☐ Fact sheet / brochure
- ☐ Chamber of Commerce
- ☐ Public workshop/meetings
- ☐ Magazine
- ☐ Academic Institutions
- ☐ Other (please explain) \_\_\_\_\_
6. To assist in communicating information to Oregonians about how to better prepare for a natural disaster, which of the following phrases do you think is the easiest to understand? (*Please check only one*)
- ☐ Natural disaster readiness
- ☐ Disaster preparedness
- ☐ Emergency preparedness
- ☐ Natural hazard risk reduction
- ☐ Other, please explain \_\_\_\_\_



There are many things that you can do to prepare for a natural disaster or emergency event. What you have on hand when a disaster strikes, or are trained to do when a disaster strikes can make a big difference for your comfort and safety in the hours and days following the disaster, whether it is a natural disaster or other emergency. Basic services, such as electricity, gas, water and telephones, may be cut off, or you may have to evacuate at a moment's notice. The following questions focus on your household's preparedness for disaster events.

7. In the following list, please check those activities that you have done in your household, plan to do in the near future, have not done, or are unable to do. (*Please check one answer for each preparedness activity*)

**In your household, have you or someone in your household:**

Preparedness activity	Have Done	Plan To Do	Not Done	Unable To Do
A. Attended meetings or received written information on natural disasters or emergency preparedness?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B. Talked with members in your household about what to do in case of a natural disaster or emergency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C. Developed a "Household/Family Emergency Plan" in order to decide what everyone would do in the event of a household emergency?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D. Prepared a "Disaster Supply Kit" (Stored extra food, water, batteries, or other emergency supplies)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E. In the last year, has anyone in your household trained in first aid or Cardio-Pulmonary Resuscitation (CPR)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

8. Building a disaster supply kit, receiving first aid training and developing a household/family emergency plan are inexpensive activities that require a personal time commitment. How much time (per year) are you willing to spend on preparing your self/household for a natural disaster or emergency event?

(*Check only one*)

- ☐ 0-1 hour  
☐ 2-3 hours  
☐ 4-7 hours  
☐ 8-15 hours

- ☐ 16+ hours  
☐ Other (please explain)

9. What steps, if any, have you or someone in your household taken to prepare for a natural disaster?

(*Check all that apply*)

Have stored or stocked up on:

- ☐ Food  
☐ Water  
☐ Flashlight(s)  
☐ Batteries  
☐ Battery-powered radio  
☐ Medical supplies (First aid kit)  
☐ Fire extinguisher  
☐ Smoke detector on each level of the house

- ☐ Prepared a Disaster Supply Kit  
☐ Received First Aid/CPR Training  
☐ Made a fire escape plan  
☐ Developed a reconnection plan: Where to go and who to call  
☐ Discussed utility shutoffs  
☐ Other (please explain)

10. Does your household have insurance coverage for flood events?

- ☐ Yes (*If you answered YES skip to Question 11*)  
☐ No

10.1. If "NO", what is the main reason your household does not have insurance for flood events?

(*Please check only one*)

- |  |  |
|--|--|
| <input type="checkbox"/> Not located in the floodplain | <input type="checkbox"/> Deductibles too high/not worth it         |
| <input type="checkbox"/> Too expensive                 | <input type="checkbox"/> Not familiar with it/ don't know about it |
| <input type="checkbox"/> Not necessary                 | <input type="checkbox"/> Other _____                               |
| <input type="checkbox"/> Never considered it           |  |

11. Does your household have insurance coverage for earthquake events?

- ☐ Yes (*If you answered YES skip to Question 12*)  
☐ No

11.1. If "NO", what is the main reason your household does not have earthquake insurance?

(*Please check only one*)

- |  |  |
|--|--|
| <input type="checkbox"/> Too expensive       | <input type="checkbox"/> Deductibles too high/not worth it         |
| <input type="checkbox"/> Not available       | <input type="checkbox"/> Not familiar with it/ don't know about it |
| <input type="checkbox"/> Not necessary       | <input type="checkbox"/> Other _____                               |
| <input type="checkbox"/> Never considered it |  |

## NATURAL HAZARD RISK REDUCTION

Risk reduction activities are those actions you can take to protect your home from natural hazard events, such as earthquakes, floods or wildfires. You can do nonstructural modifications or retrofits to protect your home's contents against damage, often at minimal cost. You can also conduct structural retrofits to strengthen your home's structure or skeleton, although modifications to a structure tend to be quite involved and generally require the expertise of a registered design professional (engineer, architect or building contractor).

12. Did you consider the possible occurrence of a natural hazard when you bought/moved into your current home?

- ☐ Yes  
☐ No

13. Would you be willing to spend more money on a home that had features that made it more disaster resistant?

- ☐ Yes  
☐ No

14. How much more money are you willing to spend to better protect your family and home from natural disasters? (*Check only one*)

- |   |  |
|---|--|
| <input type="checkbox"/> \$5000 and above | <input type="checkbox"/> Less \$100            |
| <input type="checkbox"/> \$2500 - \$4999  | <input type="checkbox"/> Nothing               |
| <input type="checkbox"/> \$1000 - \$2499  | <input type="checkbox"/> Don't know            |
| <input type="checkbox"/> \$500 - \$999    | <input type="checkbox"/> Other, please explain |
| <input type="checkbox"/> \$100 - \$499    |  |

\_\_\_\_\_  
 \_\_\_\_\_

**Question 15** includes nonstructural and structural modifications that make your home more resistant to earthquakes. There are many measures that can be taken for other natural hazards, such as wildfires and floods.

15. What nonstructural or structural modifications for earthquake have you made to your home?  
(Please check all that apply)

**Nonstructural**

- ☐ Anchor bookcases, cabinets to wall  
☐ Secure water heater to wall  
☐ Install latches on drawers/cabinets  
☐ Fit gas appliances with flexible connections  
☐ Others (please explain) \_\_\_\_\_

**Structural:**

- ☐ Secure home to foundation  
☐ Brace inside of cripple wall with sheathing  
☐ Brace unreinforced chimney  
☐ Brace unreinforced masonry & concrete walls and foundations  
☐ Others (please explain) \_\_\_\_\_

16. Which of the following incentives, if any, would motivate you to take additional steps to better protect your family and home from a natural disaster? (Check all that apply.)

- ☐ Insurance discount  
☐ Low interest rate loan  
☐ Lower new home construction costs  
☐ Mortgage discount

- ☐ Tax break or incentive  
☐ None  
☐ Other (please explain) \_\_\_\_\_

**GENERAL HOUSEHOLD INFORMATION**

17. Please indicate your age: \_\_\_\_\_

18. Gender

- ☐ Male  
☐ Female

19. Please indicate your level of education:

- ☐ Grade school/no schooling  
☐ Some high school  
☐ High school graduate/GED  
☐ Some college/trade school

- ☐ College degree  
☐ Postgraduate degree  
☐ Other

20. Zip code: \_\_\_\_\_

21. County: \_\_\_\_\_

22. How long have you lived in Oregon?

- ☐ Less than one year  
☐ 1-5 years  
☐ 5-9 years

- ☐ 10-19 years  
☐ 20 years or more

23. If you have lived in Oregon for less than 20 years, in what state did you live before you moved to Oregon?

- ☐ California  
☐ Idaho

- ☐ Washington  
☐ Other \_\_\_\_\_

24. Do you have access to the Internet or World Wide Web?

- ☐ Yes  
☐ No

25. Do you own or rent your home?

- ☐ Own  
☐ Rent

26. Do you rent/own a:

- ☐ Single-family home  
☐ Duplex  
☐ Apartment (3-4 units in structure)  
☐ Apartment (5 or more units in structure)  
☐ Condominium / townhouse  
☐ Manufactured home  
☐ Other \_\_\_\_\_

Other Comments:

### THANK YOU VERY MUCH FOR PROVIDING THIS INFORMATION

*Oregon Natural Hazards Workgroup at the University of Oregon's Community Service Center prepared this survey for the **Partners for Disaster Resistance: Oregon Showcase State Program**. Implementation of this survey made possible by funding from Oregon Emergency Management, Institute for Business and Home Safety, the Public Entity Risk Institute, SAFECO Insurance Companies and the American Red Cross, Oregon Trail Chapter.*

*For more information on **Partners for Disaster Resistance** or on this survey, please contact Oregon Natural Hazards Workgroup at 1209 University of Oregon, Eugene, OR 97403-1209, call (541) 346-3588, email [showcase@oregon.uoregon.edu](mailto:showcase@oregon.uoregon.edu), or visit [www.OregonShowcase.org](http://www.OregonShowcase.org)*



***For more information on mitigation and preparedness please visit the websites of our partners on the Internet***

**Partners for Disaster Resistance: Showcase State Program**

For more information on the partnership visit  
[www.OregonShowcase.org](http://www.OregonShowcase.org)



**List of Current Partners**

- Interagency Hazard Mitigation Team
- Oregon Emergency Management
- Department of Geology & Mineral Industries
- Department of Land Conservation and Development
- Department of Consumer and Business Services
  - Insurance Division
  - Building Codes Division
- State Fire Marshal's office
- Department of Forestry
- Department of Transportation
- American Red Cross, Oregon Trail Chapter
- Federal Emergency Management Agency, Region 10
- Insurance Information Service of Oregon & Idaho
- Institute for Business & Home Safety
- Oregon Emergency Management Association
- Oregon Natural Hazards Workgroup, Community Service Center, University of Oregon
- Oregon, Project Impact Communities
- Public Entity Risk Institute
- SAFECO Insurance Companies
- Small Business Development Networks



**Oregon Emergency Management**

For more information visit [www.osp.state.or.us/oem/](http://www.osp.state.or.us/oem/)



**Public Entity Risk Institute**

For more information visit [www.riskinstitute.org](http://www.riskinstitute.org)



**Institute for Business & Home Safety**

For more information on home and business safety, visit [www.ibhs.org](http://www.ibhs.org)



**American Red Cross, Oregon Chapters:**

For more information on Family Disaster Preparedness, call your local Red Cross Chapter or visit [www.PrepareForLife.org](http://www.PrepareForLife.org)

